

Dr. Syed Jehangir Shah

Research Publications

1. Ullah, I., A, Iqbal, I, Ali, I. Munir, E. Ali, **Shah, S.J.**, N. Ullah., S.A.K Bangash., Z.A. Swati and M.S. Qureshi. 2011. Role of dietary supplementation in the protein content of bovine milk. *African Journal of Biotechnology*, 10(18): 3624-3627.
2. **Shah, S.J.**, M.S. Anjam, B. Mendy, M.A. Anwar, S.S Habash, J, L Lozano-Torres, F.M.W Grundler and S. Siddiqui. 2017. Damage-associated responses of the host contribute to defence against cyst nematodes but not root-knot nematodes. *Journal of Experimental Botany*, 68: 5949–5960.
3. Anwer, M.A., M.S. Anjam, **Shah, S.J.**, M.S. Hasan, A.A Naz, F.M.W Grundler and S. Siddique. 2018. Genome-wide association study uncovers a novel QTL allele of AtS40-3 that affects the sex ratio of cyst nematodes in Arabidopsis. *Journal of Experimental Botany*, 69: 1805-1814.
4. Anjam, M.S., **Shah, S.J.**, Matera, C., Rózańska, E., Sobczak, M., Siddique, S., et al. 2020. Host factors influence the sex of nematodes parasitizing roots of *Arabidopsis thaliana*. *Plant Cell and Environment*, 43: 1160-1174.
5. Sana Ghaffar, Imran Khan, Mian Afaq Ahmad, Tafavouq Umar, Iqbal Munir, M. Nauman Ahmad, **Syed Jehangir Shah**, Ikram Ullah, Ghulam Mustafa, Waqar Ali and Toqeer Ahmad. 2020. Effect of Fluoride on physiology and growth Indicators of *Zea Mays*. *Fluoride*, 53: 491-498.
6. Muhammad Saeed, Muhammad Ibrahim, Waqas Ahmad, Muhammad Tayyab, Safira Attacha, Mudassar Nawaz Khan, Sultan Akbar Jadoon, **Syed Jehangir Shah**, Shaista Zeb, Liaqat Shah, Fazal Munsif, Ahmad Zubair, Jie Lu, Hongqi Si and Chuanxi Ma. 2022. Molecular Characterization of Diverse Wheat Genetic Resources for Resistance to Yellow Rust Pathogen (*Puccinia striiformis*). *Agronomy*, 12: 2951.
7. Ikram, U., Uzair, M., Rehman, O., Attacha, S., Attia, K., Ahmad, S., Salman, M., Ali, H., Rashid, M., Asma, M., **Shah, S. J** et al. 2023. Characterization of the Tubby-Like Proteins (TLPs) gene family in *Cucumis sativus* L.: insights into the Evolution, Structure, and Expression patterns under Salt Stress. *Genetic Resources and Crop Evolution*, 1-18.
8. Rashid, M. U., **Shah, S. J.**, Attacha, S., Khan, L., Saeed, J., Shah, S. T., & Mohamed, H. I. 2024. Green Synthesis and Characterization of Zinc Oxide Nanoparticles Using Citrus limetta Peels Extract and Their Antibacterial Activity Against Brown and Soft Rot Pathogens and Antioxidant Potential. *Waste and Biomass Valorization*, 1-16.
9. Ahmad, S., Ahmad, M.A., Umar, F., Munir, I., Iqbal, N., Ahmad, N., Ahmad, G., Ijaz, M., ur Rahman, Z., **Shah, S.J.** and Iqbal, H. 2024. Green Nano-synthesis: *Salix alba* Bark-Derived Zinc Oxide Nanoparticle and their nematicidal Efficacy against root knot nematode *Meloidogyne incognita*. *Advancements in Life Sciences*, 10(4), pp.675-681.
10. Tahir M., Ibrahim, M., Yaqoob, M., **Shah, S.J.**, Ahmad, S. 2025. Association of sequence variation in SOCS2 gene with susceptibility to *Haemonchus contortus* infection in sheep. *J Helminthol.* 99:e64. doi: 10.1017/S0022149X25100308. PMID: 40525939.
11. Durrani, I., Nissa, I., Jan, A., **Shah, S.J.**, Tanveer, S., Basit, A and Heba, I. 2025. In Silico Expression Analysis of Germin-Like Protein Genes From Rice Cultivar Nipponbare. *Molecular biology reports*, 52(1):840.
12. Nasir, A., Tayyab, M. †Shah, S.J., Muhammad Sayyar, M.K., Heba I. M., Haiam O., Marwa, I., Hossam S., Mohamed.O and Abdelrahman, A. 2026. Green Synthesized Zinc Oxide Nanoparticles Mediated by *Dysphania botrys* Extract: Structural Characterization and Biological Applications. *BioResources*, 21(2): 5106-5121.